

## Amendments to the Claims

Claim 1 **(Currently Amended)** A controller for driving a pickup of an optical disk drive, the controller comprising:

a lens offset measuring means for measuring ~~the~~ an amount of ~~an~~ offset of a lens from a center of the lens in ~~a~~ the pickup, ~~which~~ the lens offset ~~occurs~~ occurring at a seek of the pickup; and

a seek position setting means for setting a seek position where a seek toward a target position of the pickup is ended, ~~in~~ a pickup driving ~~means~~, based on ~~the~~ basis of ~~two~~ parameters, the amount of lens offset measured by the lens offset measuring means and ~~the~~ a number of seek tracks to seek.

Claim 2 **(Currently Amended)** A controller ~~for driving a pickup of an optical disk drive~~ as defined in Claim 1, wherein:

the lens offset measuring means also measures ~~the~~ a direction of the lens offset, ~~in addition to the amount of the lens offset from the center of the lens in the pickup, which offset occurs at the seek of the pickup~~; and

the seek position setting means sets the seek position also uses ~~two~~ parameters, based on ~~the~~ lens offset direction of the lens offset and ~~the~~ a direction of the seek direction, ~~as parameters for determining the seek position~~.

Claim 3 **(Currently Amended)** A controller for driving a pickup of an optical disk drive ~~as defined in Claim 1, the controller comprising~~ wherein:

a lens offset measuring means for measuring an amount of offset of a lens from a center of the lens in the pickup, the lens offset occurring at a seek of the pickup; and

a seek position setting means for setting a seek position where a seek toward a target position of the pickup is ended based on the amount of lens offset measured by the lens offset measuring means and a number of seek tracks to seek,

wherein the seek position setting means changes ~~a~~ the seek position for a target position according to a rotation speed of a disk.

Claim 4 **(Currently Amended)** A controller for driving a pickup of an optical disk drive, the pickup being movably supported by a feed, the controller comprising:

a lens offset measuring means for measuring the an amount and a direction of an offset of a lens from the a center of the lens in a the pickup at a seek end, and storing the amount and the direction of lens offset; them; and

a seek position setting means for comparing an offset amount and an offset direction just before a seek with the offset amount and the offset direction stored in the lens offset measuring means when the a number of seek tracks of a next seek is smaller than a predetermined value, thereby calculating the a movement of a the feed just before the seek, which feed movably supports the pickup as a calculation result and, based on the basis of the calculation result, setting, in a pickup driving means, a seek position where the seek toward the a target position of the pickup is to be ended.

Claim 5 **(Currently Amended)** A controller ~~for driving a pickup of an optical disk drive~~ as defined in Claim 4, wherein:

the seek position setting means changes the seek position for the target position according to a rotation speed of a disk.

Claim 6 **(Currently Amended)** A controller ~~for driving a pickup of an optical disk drive~~ as defined in Claim 1, wherein:

the seek position setting means sets a the seek position for a target position at least one sector before the target position.

Claim 7 **(Currently Amended)** A controller for driving a pickup of an optical disk drive, the controller comprising:

a lens offset measuring means for measuring the an amount of an offset of a lens from the a center of the lens in a the pickup; and

a seek position setting means for setting, in a pickup driving means, a seek position where a seek toward a target position of the pickup is to be ended as well as and a seek position at kickback so that kickback of for seeking the pickup for seeking in an a

~~inverse direction inverse of~~ to a direction of the original seek is performed until ~~the an~~ amount of lens offset at seek end becomes smaller than a predetermined value.

**Claim 8 (Currently Amended)** A controller for driving a pickup of an optical disk drive ~~as defined in Claim 7, the controller comprising wherein:~~

a lens offset measuring means for measuring an amount of offset of a lens from a center of the lens in the pickup; and

a seek position setting means for setting a seek position where a seek toward a target position of the pickup is to be ended and a seek position at kickback so that kickback of the pickup for seeking in a direction inverse to a direction of the original seek is performed until an amount of lens offset at seek end becomes smaller than a predetermined value,

wherein the seek position setting means employs the amount of an offset of a the lens from the center of the lens in the pickup at a point of in time where a read error occurs, as a the predetermined value to be compared with the amount of lens offset at seek end.

**Claim 9 (Currently Amended)** A controller for driving a pickup of an optical disk drive ~~as defined in Claim 8, wherein:~~

~~the seek position setting means has a limiter for setting a lower limit so that the predetermined value to be compared with the amount of lens offset at seek end does not become smaller than a predetermined minimum value.~~

**Claim 10 (Currently Amended)** A controller for driving a pickup of an optical disk drive ~~as defined in Claim 4, wherein:~~

~~the seek position setting means sets a the seek position for a the target position at least one sector before the target position.~~